

The high density MPO connector allows for the simple termination of the fibre backbone. Once installed the backbone needs to have the correct interface to suit the needs of the network hardware.

The MPO fan-out is the crucial part of the system converting from the high density MPO to the interface required by your hardware. Available in either breakout or pigtail versions the MPO fan-out gives the flexibility to choose a product that perfectly meets your needs.

Using the MPO connector on pre-terminated fibre solutions, allows you to prepare the distribution panels or boxes in the comfort of your own workshop. This can be taken a step further by having the distribution cabinets built in a clean facility and only taken to site when the installation is due to go live. This saves time, reduces the possibility of damage to the fragile optical tails and reduces the risk of dirt ingress into fibre couplers. If you prefer FibreFab can supply distribution panels or boxes pre-assembled with the MPO fan-out

installed to suit your interface requirements; contact the sales office number with your requirements.

FibreFab has 15 years experience in manufacturing fibre optic cable assemblies using Biconic and SMA through ST, SC to today's Small Form Factor connectors like the LC, MU, MT-RJ or SC-DC. If you have a fibre network, no matter what the technology, FibreFab can offer you a solution to your problem.

The FibreFab range of fibre optic assemblies has grown through the years, from every day standard lengths to special products to meet your needs. From industry standard 62.5/125 multimode to 9/125 singlemode right the way up to state of the art OM3 50/125 cable assemblies, FibreFab can supply them all.

With a FibreFab assembly you can be confident you are using the very best in cable, connectors and manufacturing.

Specifications

Description

The FibreFab MPO fanout fibre assemblies are manufactured using the best quality components. The connectors are the market leading Optronics range of connectors, and the cable exceeds all areas of the standards required for the assembly being produced.

Non-standard assemblies can be made to your own exacting standards in our ISO 9001 UK production facility. This encompasses all of the essential tools to ensure the products not only meet but also exceed the requirements laid down in IEC international standards for fibre optic terminations.

Optical Performance (Multimode)

Insertion loss: Max. 0.5 dB Typical 0.35 dB

Optical Performance (Singlemode)

Insertion loss: Max. 0.3 dB Typical 0.2 dB

Optical Performance (MT-RJ/MPO)

Insertion loss: Max. 0.7 dB Typical 0.5 dB

Return Loss: UPC better than 50dB
APC better than 60dB

IEC 874-1 method

Ordering Information

For ordering information contact the FibreFab sales office

Connectors

Types: FC, FC/APC, ST, SC, SC/APC, MT-RJ
Ferrule: Zirconia (MT-RJ – Polymer)

Mechanical

Length: 1000mm to 10,000mm +/- 10mm
Other lengths available to order

Fan-out Length (Duplex): 150mm +/- 5mm

Sheath colour:	62.5/125	Yellow
	50/125	Orange
	09/125	Yellow

For full information on the Optronics connectors used on the FibreFab patch cords, please contact the address below for a connector data sheet.

Intermateability

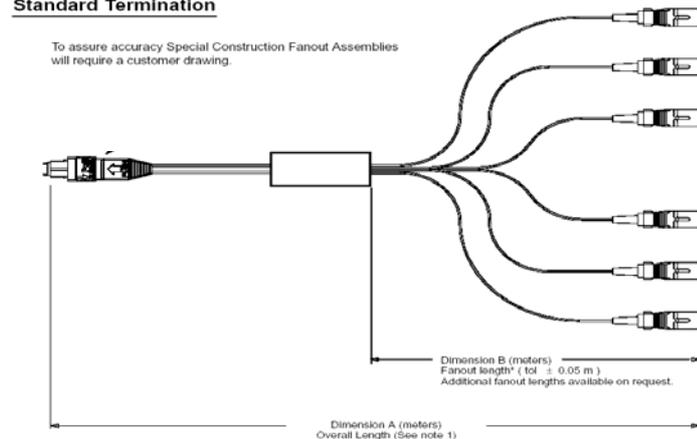
Optically and mechanically compatible with all equivalent connectors.
Compliant with IEC 874-14.

Product Packaging

Each fanout is individually packed and identified for traceability. A comprehensive test certificate is also supplied with each assembly.

Standard Termination

To assure accuracy Special Construction Fanout Assemblies will require a customer drawing.



Note:
1. All dimensions are in "mm" with the exception of dimension A and dimension B which are in meters.

Temperature Cycling

(IEC 874-1 sec. 4.5.22)
-40 to +75°C, 40 cycles
=0.2dB Change

High Temperature:

(IEC 874-1 sec. 4.5.18)
75°C for 96 hours
=0.2dB Change

Damp Heat:

(IEC 874-1 sec. 4.5.19)
60°C at 95% RH, 96 hours
=0.2dB Change

Vibration (Mated Pair):

(IEC 874-1 sec. 4.5.1)
10-55 Hz, 1.5mm P to P
=0.3dB Change

Mating Durability:

(IEC 874-1 sec. 4.5.32)
1000 mating cycles
Clean every 25
< 0.2 dB Change

Operating Temperature

-40°C to +85°C

FibreFab Limited

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